

<b>PATIENT NAME</b>	Report, Sample	<b>ACCESSION</b>	25052200004
<b>PATIENT DOB</b>	Jan. 1, 2025	<b>ORDER CODE</b>	GX25-0000668
<b>PATIENT GENDER</b>	U	<b>SAMPLE TYPE, SOURCE &amp; COLLECTION DATE</b>	
<b>PATIENT PHONE</b>	(919) 313-9672	Culture 1	05-13-2025, 09:21AM (EDT)
<b>ACCOUNT</b>	Mosaic Diagnostics	Culture 2	05-15-2025, 09:21AM (EDT)
<b>PROVIDER</b>	Test Provider	Culture 3	05-19-2025, 09:21AM (EDT)
<b>REPORT STATUS</b>	FINAL	Serum	05-13-2025, 09:21AM (EDT)
		Whole Blood 1	05-13-2025, 09:21AM (EDT)
		Whole Blood 2	05-15-2025, 09:21AM (EDT)
		Whole Blood 3	05-19-2025, 09:21AM (EDT)
		<b>RECEIVED</b>	05-22-2025, 09:22AM (EDT)
		<b>REPORTED</b>	05-22-2025, 09:31AM (EDT)
<b>TEST INFORMATION</b>	8. BBB Direct Detect 3 Day Draw - Digital PCR + Bartonella IgG Detect - IFA	<b>DIAGNOSIS CODES</b>	

QUALITATIVE RESULTS		
	RESULT	FLAG
<b>4-SPECIES IFA SEROLOGY PANEL, IGG</b>		
Bartonella henselae IFA Serology, IgG	1:256	REACTIVE
Bartonella koehlerae IFA Serology, IgG	1:128	REACTIVE
Bartonella quintana IFA Serology, IgG	1:64	REACTIVE
Bartonella vinsonii berkhoffi IFA Serology, IgG	≥1:256	REACTIVE
<b>BBB MULTIPLEX DPCR</b>		
Babesia spp. dPCR-B1	POSITIVE	POSITIVE
Babesia spp. dPCR-B2	POSITIVE	POSITIVE
Babesia spp. dPCR-B3	POSITIVE	POSITIVE
Bartonella spp. dPCR-B1	POSITIVE	POSITIVE
Bartonella spp. dPCR-B2	POSITIVE	POSITIVE
Bartonella spp. dPCR-B3	POSITIVE	POSITIVE
Borrelia spp. dPCR-B1	POSITIVE	POSITIVE
Borrelia spp. dPCR-B2	POSITIVE	POSITIVE
Borrelia spp. dPCR-B3	POSITIVE	POSITIVE
<b>BBB MULTIPLEX DPCR - BARTONELLA CULTURE</b>		
Bartonella spp. Culture dPCR-C1	POSITIVE	POSITIVE
Bartonella spp. Culture dPCR-C2	POSITIVE	POSITIVE
Bartonella spp. Culture dPCR-C3	POSITIVE	POSITIVE

### Bartonella Culture dPCR-C1: Test Result Interpretation

**Negative (PCR) Culture Specific-** Bartonella spp. were not detected in BAPGM enrichment culture. Failure to detect target pathogen DNA using Digital PCR does not rule out a diagnosis.

**Positive (PCR) Culture Specific-** Bartonella spp. were detected in BAPGM enrichment culture.

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BBB Multiplex Digital PCR targets were evaluated for potential cross-reactivity with structurally or functionally related pathogens. The assay exhibited limited cross-reactivity with a limited number of non-human, ruminant pathogens that, to date, are non-pathogenic in humans. Patient history should be considered when interpreting test results and creating a plan of care.

The expected ("Reference") value in the normal population is target organism genus/species "Negative."

## BBB Multiplex dPCR- B1: Test Result Interpretation

**Negative (PCR)** - Target pathogen (Bartonella spp. and/or Borrelia spp. and/or Babesia spp.) DNA was not detected by Digital PCR from the patient's blood. Failure to detect target pathogen DNA using Digital PCR does not rule out a diagnosis.

**Positive (PCR)** - Target pathogen (Bartonella spp. and/or Borrelia spp. and/or Babesia spp.) DNA was detected by Digital PCR from the patient's blood.

BBB Multiplex Digital PCR targets were evaluated for potential cross-reactivity with structurally or functionally related pathogens. The assay exhibited limited cross-reactivity with a limited number of non-human, ruminant pathogens that, to date, are non-pathogenic in humans. Patient history should be considered when interpreting test results and creating a plan of care.

The expected ("Reference") value in the normal population is target organism genus/species "Negative."

## 4-Species IFA Serology Panel, IgG: Test Result Interpretation

**Reactive:** A Bartonella species titer greater than or equal to 1:64 indicates the tested serum sample was reactive to the indicated Bartonella species antigen(s), and that the patient has been exposed to, or may presently be infected with, a Bartonella species.

**Non-Reactive:** IFA results with a Bartonella species titer of less than or equal to 1:32 indicates the tested serum sample was non-reactive with the indicated Bartonella species antigen(s).

**Indeterminate:** Unable to determine definitive reactivity status. Submission of an additional sample for repeat testing is recommended.

The expected ("Reference") value in the normal population is "Non-reactive" to Bartonella henselae, Bartonella quintana, Bartonella koehlerae, or Bartonella vinsonii berkhoffii. Serological results should be interpreted in the context of patient history, possible past exposure, other clinical findings, and laboratory results.

Research studies have shown that some bacteremic patients do not develop antibodies.

Tests included in this report were performed and analyzed at Galaxy Diagnostics. Reference laboratory test results may not be altered. These tests were developed and their performance characteristics determined by Galaxy Diagnostics. These tests have not been cleared or approved by the FDA. Galaxy Diagnostics (CLIA ID 34D2027997, Laboratory Director: Susan Orton, PhD, D(ABMLI)) is located at 6 Davis Drive, Suite 201, Research Triangle Park, NC.